

ON-LINE DATA COMPRESSION ANALYSIS AND REGULATION**ABSTRACT OF THE DISCLOSURE**

5 Data compression efficacy in a data storage system is analyzed, and data
compression modified in accordance with the results of such analysis, thereby saving
otherwise wasted processor time when data compression is poor. Multiple input data
blocks are received for storage in a data storage subsystem, and a predetermined
compression process is applied thereto. Application of the predetermined compression
10 process is evaluated according to a predetermined compression criteria. If the
compression fails to satisfy the predetermined compression criteria, application of the
predetermined compression process ceases.

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